REMARKS/ARGUMENTS

Claims 1 and 3-22 are pending. Applicant canceled claim 2, but reserves all right to pursue this or other claims in a continuing application. In light of the amendments and following remarks, Applicant believes all claims are in condition for allowance.

Formal Matters

The Office Action stated that a fan tray must be shown in the figures or deleted from the claims. As recited on page 7, lines 17-19, pairs of fans 11 and 19 are in a fan tray. Thus, a fan tray is in the figures.

With regard to Figs. 4A-4C, Applicant submits a replacement sheet with red-lined additions for the Examiner's approval. Reference numerals were added to the figures and in the specification where appropriate. No new matter has been added.

The § 102(b) Rejection of Claims 1, 3, 5-10, and 20-22

Claims 1, 3, 5-10, and 20-22 were rejected under 35 USC § 102(b) as allegedly being anticipated by U.S. Patent No. 5,949,646, issued September 7, 1999 to Lee et al. (hereinafter "Lee"). Applicant amended claim 1 to incorporate the feature recited in claim 2 that an electronic card defines first and second flow channels, which was admitted in the Office Action (page 4) to not be disclosed in Lee. Similar amendments were made to claim 20 (claim 21 already had this feature so an amendment was not performed on that claim). Accordingly, this rejection has been rendered moot.

The § 103(a) Rejection of Claims 2, 4, 11, and 12-19

Claims 2, 4, 11, and 12-19 were rejected under 35 USC § 103(b) as allegedly being unpatentable over Lee in view of U.S. Patent No. 5,424,915, issued June 13, 1995 to Katooka et al. (hereinafter "Katooka"). Accordingly, it is being asserted that these two references, if

combined, disclose all the features of the claims. For the following reasons, Applicant respectfully traverses the rejection.

As the feature of claim 2 has been incorporated into claim 1, this rejection will be discussed in reference to claim 1. As stated above, the Office Action admits that Lee does not show an electronic card that divides into first and second flow channels. Nevertheless, it is alleged that Katooka remedies the deficiency of the primary reference Lee.
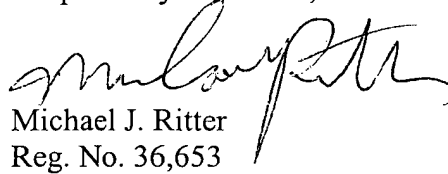
Katooka discloses a system for cooling a power supply device. The Office Action cites "circuit cards" 2 and 10 as being the claimed dividers. However, a closer review of the reference reveals that these numerals refer to a partition wall 2 and a cooling fin structure 10 that is attached thereto (see col. 1, lines 32-42). These are simply not electronic cards. In fact, Katooka describes that semiconductor devices 11 should be disposed in a separate chamber (see col. 1, lines 47-56) and not used as a divider. Thus, the reference actually teaches away from using an electronic card as a divider of flow channels as claimed.

As the Lee and Katooka references, even if combined, have not been shown to disclose of claim 1, a prima facie case of obviousness has not been established. All the independent claims include similar features to that described above so the pending claims are patentably distinct over the cited references.

Conclusion

For the foregoing reasons, Applicant believes all the pending claims are in condition for allowance and should be passed to issue. If the Examiner feels that a telephone conference would in any way expedite the prosecution of the application, please do not hesitate to call the undersigned at (408) 446-8693.

Respectfully submitted,

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Amendments to the Drawings:

The attached sheet of drawings includes changes to Figs. 4A-4C. This sheet replaces the original sheet including Figs. 4A-4C.

Attachment: Replacement Sheet Showing Changes